

Amendments to the Claims

Please amend Claims 1-12, 14-40 and 42-53, and add new Claim 54 to read as follows.

1. (Currently amended) A printing apparatus comprising:
instruction means for issuing a print cancel instruction;
notification means for, in response to the print cancel instruction by said instruction means, notifying a higher-order apparatus of print cancellation, to cause ~~said~~ the higher-order apparatus to stop generation of print data and to output predetermined data;
and
processing means for, after issuance of the print cancel instruction by said instruction means, deleting the print data until the predetermined data, outputted by ~~said~~ the higher-order apparatus in response to a notification of print cancellation by said notification means, is inputted.
2. (Currently amended) The printing apparatus according to claim 1, wherein ~~said~~ the predetermined data indicates end of print job.
3. (Currently amended) The printing apparatus according to claim 1, wherein ~~said~~ the predetermined data includes an end mark.

4. (Currently amended) The printing apparatus according to claim 1, further comprising print means for performing printing based on the print data inputted from ~~said~~ the higher-order apparatus.

5. (Currently amended) The printing apparatus according to claim 1, wherein communication with ~~said~~ the higher-order apparatus is made by packet communication, and wherein said notification means notifies ~~said~~ the higher-order apparatus of the print cancellation, to cause ~~said~~ the higher-order apparatus to output dummy data for adjustment of packet data length and to output a packet including predetermined data, in response to the print cancel instruction by said instruction means.

6. (Currently amended) The printing apparatus according to claim 1, further comprising means for printing information ~~on~~ regarding the print cancellation on a recording medium on which an image is printed based on the print data.

7. (Currently amended) The printing apparatus according to claim 1, wherein ~~said~~ the predetermined data includes a control code indicating end of print job.

8. (Currently amended) The printing apparatus according to claim 1, wherein after the issuance of the print cancel instruction by said instruction means, said processing means causes paper discharge, inputs the print data from ~~said~~ the higher-order ~~apparatus~~, apparatus, and deletes the print data until the predetermined data, outputted

from ~~said~~ the higher-order apparatus in response to the notification of print cancellation by said notification means, is inputted.

9. (Currently amended) A printing system ~~having~~ comprising a higher-order apparatus and a printing apparatus,

wherein said printing apparatus ~~having~~ comprises:

instruction means for issuing a print cancel instruction; notification means for, in response to the print cancel instruction by said instruction means, notifying a said higher-order apparatus of print cancellation; and processing means for, after issuance of the print cancel instruction by said instruction means, deleting ~~the~~ print data until predetermined data outputted by said higher-order apparatus is inputted, and

wherein said higher-order apparatus ~~having~~ comprises:

means for, in response to a notification of print cancellation by said notification means, stopping generation of print data, and outputting the predetermined data.

10. (Currently amended) The printing system according to claim 9, wherein ~~said~~ the predetermined data indicates end of print job.

11. (Currently amended) The printing system according to claim 9, wherein ~~said~~ the predetermined data includes an end mark.

12. (Currently amended) The printing system according to claim 9, wherein said printing apparatus ~~has~~ further comprises print means for performing printing based on the print data inputted from said higher-order ~~apparatus~~; apparatus.

13. (Original) The printing system according to claim 9, wherein communication with said higher-order apparatus is made by packet communication, and wherein said notification means notifies said higher-order apparatus of print cancellation, to cause said higher-order apparatus to output dummy data for adjustment of packet data length and to output a packet including predetermined data in response to the print cancel instruction by said instruction means.

14. (Currently amended) The printing system according to claim 9, further comprising means for printing information ~~on~~ regarding the print cancellation on a recording medium on which an image is printed based on the print data.

15. (Currently amended) The printing system according to claim 9, wherein ~~said~~ the predetermined data includes a control code indicating end of print job.

16. (Currently amended) The printing system according to claim 9, wherein after the issuance of the print cancel instruction by said instruction means, said processing means causes paper discharge, inputs the print data from said higher order ~~apparatus~~; apparatus, and deletes the print data until the predetermined data, outputted

from said higher-order apparatus in response to the notification of print cancellation by said notification means, is inputted.

17. (Currently amended) A printing cancellation method comprising:
a determination step of determining whether or not a print cancel instruction has been inputted during printing based on print data;

a notification step of, if ~~it is~~ determined at said determination step that the print cancel instruction has been inputted, notifying a higher-order apparatus of print cancellation, to cause ~~said~~ the higher order apparatus to stop generation of the print data and to output predetermined data; and

a processing step of, after input of the print cancel instruction, deleting the print data until the predetermined data, outputted by ~~said~~ the higher-order apparatus in response to a notification of print cancellation at said notification step, is inputted.

18. (Currently amended) The printing cancellation method according to claim 17, wherein ~~said~~ the predetermined data indicates end of print job.

19. (Currently amended) The printing cancellation method according to claim 17, wherein ~~said~~ the predetermined data includes an end mark.

20. (Currently amended) The printing cancellation method according to claim 17, further comprising a print step of performing printing based on the print data inputted from ~~said the~~ higher-order ~~apparatus~~. apparatus.

21. (Currently amended) The printing cancellation method according to claim 17, wherein communication with ~~said the~~ higher-order apparatus is made by packet communication, and wherein at said notification step, ~~said the~~ higher-order apparatus is notified of print cancellation, and thereby caused to output dummy data for adjustment of packet data length and to output a packet including the predetermined data, in response to the print cancel instruction at said instruction step.

22. (Currently amended) The printing cancellation method according to claim 17, further comprising the step of printing information ~~on~~ regarding the print cancellation on a recording medium on which an image is printed based on the print data.

23. (Currently amended) The printing cancellation method according to claim 17, wherein ~~said the~~ predetermined data includes a control code indicating end of print job.

24. (Currently amended) The printing cancellation method according to claim 17, wherein at said processing step, after the input of the print cancel instruction at said instruction step, paper discharge is caused, the print data is inputted from ~~said the~~

higher-order ~~apparatus~~, apparatus, and the print data is deleted until the predetermined data, outputted from ~~said the~~ higher-order apparatus in response to the notification of print cancellation at said notification step, is inputted.

25. (Currently amended) A storage medium holding a program having:
a determination step of determining whether or not a print cancel instruction has been inputted during printing based on print data;

a notification step of, if ~~it is~~ determined at said determination step that the print cancel instruction has been inputted, notifying a higher-order apparatus of print cancellation, to cause ~~said the~~ higher order apparatus to stop generation of the print data and to output predetermined data; and

a processing step of, after input of the print cancel instruction, deleting the print data until the predetermined data, outputted by ~~said the~~ higher-order apparatus in response to a notification of print cancellation at said notification step, is inputted.

26. (Currently amended) The storage medium according to claim 25, wherein ~~said the~~ predetermined data indicates end of print job.

27. (Currently amended) The storage medium according to claim 25, wherein ~~said the~~ predetermined data includes an end mark.

28. (Currently amended) The storage medium according to claim 25, wherein said program further ~~having~~ comprises the step of performing printing based on the print data inputted from ~~said~~ the higher-order apparatus.

29. (Currently amended) The storage medium according to claim 25, wherein communication with ~~said~~ the higher-order apparatus is made by packet communication, and wherein at said notification step, ~~said~~ the higher-order apparatus is notified of print cancellation, and thereby caused to output dummy data for adjustment of packet data length and to output a packet including predetermined data, in response to the print cancel instruction at said instruction step.

30. (Currently amended) The storage medium according to claim 25, wherein said program further ~~comprising~~ comprises the step of printing information ~~on~~ regarding the print cancellation on a recording medium on which an image is printed based on the print data.

31. (Currently amended) The storage medium according to claim 25, wherein ~~said~~ the predetermined data includes a control code indicating end of print job.

32. (Currently amended) The storage medium according to claim 25, wherein after the input of the print cancel instruction, ~~at said instruction step~~, at said processing step, paper discharge is caused, the print data is inputted from ~~said~~ the

higher-order ~~apparatus~~, apparatus, and the print data is deleted until the predetermined data, outputted from ~~said the~~ higher-order apparatus in response to the notification of print cancellation at said notification step, is inputted.

33. (Currently amended) A program ~~having~~ comprising:

a determination step of determining whether or not a print cancel instruction has been inputted during printing based on print data;

a notification step of, if ~~it is~~ determined at said determination step that the print cancel instruction has been inputted, notifying a higher-order apparatus of print cancellation, to cause ~~said the~~ higher-order apparatus to stop generation of the print data and to output predetermined data; and

a processing step of, after input of the print cancel instruction, deleting the print data until the predetermined data, outputted by ~~said the~~ higher-order apparatus in response to a notification of print cancellation at said notification step, is inputted.

34. (Currently amended) The program according to claim 33, wherein ~~said the~~ predetermined data indicates end of print job.

35. (Currently amended) The program according to claim 33, wherein ~~said the~~ predetermined data includes an end mark.

36. (Currently amended) The program according to claim 33, further having comprising a print step of performing printing based on the print data inputted from ~~said the higher-order apparatus~~; apparatus.

37. (Currently amended) The program according to claim 33, wherein communication with ~~said the higher-order apparatus~~ is made by packet communication, and wherein at said notification step, ~~said the higher-order apparatus~~ is notified of print cancellation, and thereby caused to output dummy data for adjustment of packet data length and to output a packet including the predetermined data, in response to input of the print cancel ~~instruction at said instruction step~~ instruction.

38. (Currently amended) The program according to claim 33, further having comprising the step of printing information on regarding the print cancellation on a recording medium on which an image is printed based on print data.

39. (Currently amended) The program according to claim 33, wherein ~~said the~~ predetermined data includes a control code indicating end of print job.

40. (Currently amended) The program according to claim 33, wherein after the input of the print cancel instruction, ~~at said instruction step~~, at said processing step, paper discharge is caused, the print data is inputted from ~~said the higher-order apparatus~~; apparatus, and the print data is deleted until the predetermined data, outputted

from ~~said~~ the higher-order apparatus in response to the notification of print cancellation at said notification step, is inputted.

41. (Original) An information processing apparatus comprising:

determination means for, when print data is generated and transferred to a printing apparatus, determining whether or not a notification of print cancellation has been received from the printing apparatus; and

transfer means for, if said determination means determines that the notification of print cancellation has been received, stopping generation of the print data, and transferring predetermined data indicating a break of the print data, deleted after issuance of the notification of print cancellation from the printing apparatus, to the printing apparatus.

42. (Currently amended) An information processing method

comprising:

a determination step of, when print data is generated and transferred to a printing apparatus, determining whether or not a notification of print cancellation has been received from the printing apparatus; and

a transfer step of, if it is determined at said determination step that the notification of print cancellation has been received, stopping generation of the print data, and transferring predetermined data indicating a break of the print data, deleted after

issuance of the notification of print cancellation from the printing apparatus, to the printing apparatus.

43. (Currently amended) A printing processing program ~~having~~
comprising:

a determination step of, when print data is generated and transferred to a printing apparatus, determining whether or not a notification of print cancellation has been received from the printing apparatus; and

a transfer step of, if ~~it is~~ determined at said determination step that the notification of print cancellation has been received, stopping generation of the print data, and transferring predetermined data indicating a break of the print data, deleted after issuance of the notification of print cancellation from the printing apparatus, to the printing apparatus.

44. (Currently amended) A storage medium holding a printing processing program ~~having~~ comprising:

a determination step of, when print data is generated and transferred to a printing apparatus, determining whether or not a notification of print cancellation has been received from the printing apparatus; and

a transfer step of, if ~~it is~~ determined at said determination step that the notification of print cancellation has been received, stopping generation of the print data, and transferring predetermined data indicating a break of the print data, deleted after

issuance of the notification of print cancellation from the printing apparatus, to the printing apparatus.

45. (Currently amended) The printing apparatus according to claim 1, wherein ~~said~~ the higher-order apparatus transmits the print data before a break of command and then outputs ~~said~~ the predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction by said instruction means.

46. (Currently amended) The printing system according to claim 9, wherein said higher-order apparatus transmits the print data before a break of command and then outputs ~~said~~ the predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction by said instruction means.

47. (Currently amended) The printing cancellation method according to claim 17, wherein ~~said~~ the higher-order apparatus transmits the print data before a break of command and then outputs ~~said~~ the predetermined data to ~~said~~ the printing apparatus, in response to the ~~issuance~~ input of the print cancel instruction.

48. (Currently amended) The storage medium according to claim 25, wherein ~~said~~ the higher-order apparatus transmits the print data before a break of command and then outputs ~~said~~ the predetermined data to ~~said~~ the printing apparatus, in response to the ~~issuance~~ input of the print cancel instruction.

49. (Currently amended) The program according to claim 33, wherein ~~said~~ the higher-order apparatus transmits the print data before a break of command and then outputs ~~said~~ the predetermined data to ~~said~~ the printing apparatus, in response to the ~~issuance~~ input of the print cancel instruction.

50. (Currently amended) The information processing apparatus according to claim 41, wherein if said determination means determines that the notification of print cancellation has been received, said transfer means transmits the print data before the break of command, and then outputs ~~said~~ the predetermined data to ~~said~~ the printing apparatus.

51. (Currently amended) The information processing method according to claim 42, wherein if ~~it is~~ determined at said determination step that the notification of print cancellation has been received, the print data before the break of command is transmitted and then ~~said~~ the predetermined data is outputted to ~~said~~ the printing apparatus at said transfer step.

52. (Currently amended) The printing processing program according to claim 43, wherein if ~~it is~~ determined at said determination step that the notification of print cancellation has been received, the print data before the break of command is transmitted and then ~~said~~ the predetermined data is outputted to ~~said~~ the printing apparatus at said transfer step.

53. (Currently amended) The storage medium holding the printing processing program according to claim 44, wherein if ~~it is~~ determined at said determination step that the notification of print cancellation has been received, the print data before the break of command is transmitted and then ~~said~~ the predetermined data is outputted to ~~said~~ the printing apparatus at said transfer step.

54. (New) A printing apparatus comprising:
an instruction unit adapted to issue a print cancel instruction;
a notification unit adapted to, in response to the print cancel instruction by said instruction unit, notify a higher-order apparatus of print cancellation, to cause the higher-order apparatus to stop generation of print data and to output predetermined data;
and
a processing unit adapted to, after issuance of the print cancel instruction by said instruction unit, delete the print data until the predetermined data, outputted by the higher-order apparatus in response to a notification of print cancellation by said notification unit, is inputted.